Subject Index, 1949–50

ACADEMIC CALENDARS. D. B. Prentice 2, 92
ANALOGS—TOOLS OF ENGINEERING. W. W. Soroka....9, 514
A.S.E.E. ACTIVITIES FOR YOUNG ENGINEERING TEACHERS. F. L. Schwartz....8, 407
ANALYSIS OF ENGINEERING SYSTEMS. D. C. May....2, 130
ANNUAL MEETING....1, 49
APPLICATIONS OF THEVENIN'S THEOREM TO DIRECT CURRENT MOTOR ANALYSIS. W. E. Rogers....10, 629
ATTITUDES TOWARD TEACHING AIDS. G. D. Lobingier....5, 319

BRIDGING THE GAP. G. P. Boomsliter 4, 258
BUSINESS OF HIGHER EDUCATION. W. B. Plank....10, 592

CANDID COMMENTS....2, 142
CANDID COMMENTS....4, 277
CANDID COMMENTS....5, 335
CHEMICAL ENGINEERING SENIOR AS A FRESHMAN IN THE HEAVY CHEMICAL INDUSTRY. J. F. Crowther....9, 536
CHEMICAL ENGINEERS FOR INDUSTRIAL RESEARCH, QUALIFICATIONS OF. R. M. Burns....10, 607
CIVIL ENGINEERING STRUCTURES, PLANNING. J. B. Wilbur....4, 248
COMPTON, KARL T., LAMME AWARD...1, 4
COUNSELING STUDENTS. H. H. Armsby 3, 151
CONSTRUCTION AND ANALYSIS OF ACHIEVEMENT TESTS. D. E. McFarland 10, 576
COOPERATION IN IMPROVING ENGINEERING EDUCATION. A. Wright....7, 371
COOPERATIVE BEHAVIOR, EFFICIENCY AND. F. J. Roethlisberger....4, 233
COOPERATIVE EDUCATION AT THE GRADUATE LEVEL. R. E. Kirk....7, 353
COOPERATIVE ENGINEERING EDUCATION AT THE GRADUATE LEVEL, FROM THE VIEWPOINT OF INDUSTRY. T. M. Linville and K. B. McEachron, Jr. 9, 475
COOPERATIVE STANDARDS AND CRITERIA. J. M. Houchens....3, 199
CREATIVENESS IN DESIGN. E. L. Midgette, J. N. Macduff, and J. Modrovsky....2, 122
CRITICAL EVALUATION OF COOPERATIVE ENGINEERING EDUCATION. P. A. Carlstone....9, 503
CURRICULUM LEADING TO THE BACHELOR'S DEGREE IN ENGINEERING MECHANICS. H. J. Gilkey....9, 492

DEMONSTRATION MODELS—THEIR USE AND CONSTRUCTION. R. S. Hartenberg....8, 430
DEPARTMENTAL ORGANIZATION. S. H. Graf....10, 603
DIFFERENTIATING CHARACTERISTICS OF AN ENGINEERING CURRICULUM. S. C. Hollister....5, 291
DIVISION FORUM....4, 265

E.C.P.D. ANNUAL MEETING....3, 210
ECONOMICS AS A HUMANISTIC-SOCIAL STUDY. A. Startz....5, 328
EDITORIAL—
A.S.E.E. ACTIVITIES FOR YOUNG ENGINEERING TEACHERS. F. L. Schwartz....8, 407
COUNSELING STUDENTS. H. H. Armsby....3, 151
HOW DOES THE SOCIETY OPERATE? A. B. Bronwell....9, 473
LOOKING AHEAD WITH E.C.P.D. H. S. Rogers....7, 341
NEW TIMES BRING NEW PROBLEMS. F. E. Terman....5, 283
PROGRAM FOR THE YEAR. Thorndike Saville....1, 9
TOILING IN THE NIGHT. B. J. Robertson....2, 63
YARDSTICK OF QUALITY, THE. F. M. Dawson....4, 215
EDUCATION FOR A PROFESSION. W. F. Ryan....7, 366
EFFICIENCY AND COOPERATIVE BEHAVIOR. F. J. Roethlisberger....4, 233
ELECTRONICS INSTRUCTION. K. R. Spangenberg....7, 397
ENGINEERING COLLEGES AND INDUSTRY. J. H. Lampe....7, 347
ENGINEERING CURRICULUM, DIFFERENTIATING CHARACTERISTICS OF AN. S. C. Hollister....5, 291

ENGINEERING EDUCATION AND FREEDOM FROM FEAR. C. J. Freund.....1, 11
ENGINEERING EDUCATION IN GREAT BRITAIN. W. R. Woolrich.....5, 301
ENGINEERING SYSTEMS, ANALYSIS OF. D. C. May.....2, 130
ENROLLMENT IN ENGINEERING COLLEGES, 1949. H. H. Armsby and R. C. Story.....6, 1
EXPERIENCES WITH JUNIOR COLLEGE TRANSFERS. H. P. Rodes.....5, 322

FACTORS AFFECTING INDUSTRIAL ACTIVITY. C. H. Greenewalt.....5, 295
FACULTY PERSONNEL FACTORS AND PROMOTIONS. J. Weil.....3, 166
FEDERAL SCHOLARSHIPS AND FELLOWSHIPS. W. E. Blessey.....3, 171
FINANCIAL DILEMMA FACING COLLEGES. F. C. Hockema.....2, 74
FINE ARTS IN THE ENGINEERING CURRICULUM. C. H. Gray.....10, 614
FREEDOM FROM FEAR, ENGINEERING EDUCATION AND. C. J. Freund..1, 11

GOOD TEACHING, WHAT IS. H. P. Hammond.....8, 417
GRADUATE AND RESEARCH WORK IN UNIVERSITIES AND THE USE OF COLLEGE MEN IN INDUSTRY AND GOVERNMENT. N. J. Hoff and V. L. Salerno.....10, 595
GREAT BRITAIN, ENGINEERING EDUCATION IN. W. R. Woolrich.....5, 301
GROWTH OF STATISTICS AND QUALITY CONTROL IN ENGINEERING COURSES. J. A. Henry.....10, 615

HEAT POWER LABORATORY AS A PREPARATION FOR EMPLOYMENT IN INDUSTRY. B. J. Robertson.....9, 507
HIGHER EDUCATION, A NEW FRONTIER IN. A. H. Hausrath.....7, 343
HIGHWAY ENGINEERING EDUCATION. B. H. Petty.....7, 392
HOW DOES THE SOCIETY OPERATE? A. B. Brownwell.....9, 473
HUMAN RELATIONS IN ENGINEERING EDUCATION. T. K. Glennan.....8, 411

INDIVIDUALIZING ENGINEERING EDUCATION. A. Pemberton Johnson....8, 420
INDUSTRIAL ENGINEERING—WHAT IS IT? F. H. Thomas.....10, 589
INDUSTRY-COLLEGE RELATIONS. R. Walters.....7, 360
INDUSTRY-COLLEGE RELATIONS: THE ROLE OF THE PRACTICING ENGINEER. L. A. Appley.....10, 553
INTEGRATING SPONSORED RESEARCH INTO THE UNIVERSITY RESEARCH PROGRAM. J. N. Thompson.....10, 572
INTERDEPARTMENTAL COOPERATION FOR BETTER ENGLISH. D. E. Mack..10, 586

LAMME AWARD—KARL T. COMPTON..1, 4
LICENSING FOR THE ENGINEERING PROFESSION. J. L. Waddleton.....10, 567
LITERATURE IN PAN-AMERICAN DEVELOPMENT. E. P. Hamilton.....3, 155

MAINTAINING OUR INDUSTRAIL LEADERSHIP. M. E. Cowle.....4, 222
MARIN, JOSEPH, WESTINGHOUSE AWARD.....1, 7
MATHEMATICS ACHIEVEMENT TEST. W. C. Krathwohl.....3, 178
MEETING, 57TH ANNUAL.....1, 49
MEETING TOMORROW'S NEEDS. H. A. Winne.....10, 561
MEMORIAL—Walter L. Hughes..... 585
METHOD OF ITERATION. J. E. Brock..4, 263
MINUTES OF EXECUTIVE BOARD MEETING.....1, 43
EXECUTIVE BOARD MEETING.....2, 137
EXECUTIVE BOARD MEETING.....4, 268
EXECUTIVE BOARD. MEETING.....8, 446
GENERAL COUNCIL MEETING.....1, 45
GENERAL COUNCIL MEETING.....4, 271
MISSION TO LATIN AMERICA. S. S. Steinberg.....2, 83

NEEDS FOR TEXTS IN TECHNICAL TERMINAL COURSES IN JUNIOR COLLEGES. J. W. Reynolds.....10, 611
NEGLECTED TECHNIQUE IN CALCULUS. C. R. Wylie, Jr.....3, 192
NEW FRONTIER IN HIGHER EDUCATION. A. H. Hausrath.....7, 343
NEW TIMES BRING NEW PROBLEMS. F. E. Terman.....5, 283
NUCLEAR STUDIES, OAK RIDGE INSTITUTE OF. R. S. Poor and A. D. Johnson.....9, 500

OAK RIDGE INSTITUTE OF NUCLEAR STUDIES. R. S. Poor and A. D. Johnson.....9, 500
OPPORTUNITIES FOR ENGINEERS IN THE FIELD OF NUCLEAR ENGINEERING. L. B. Borst.....8, 424
ORGANIZING AND TEACHING PRODUCTION PLANNING AND CONTROL. C. B. Foos.....9, 540
OUTLINE OF THERMODYNAMICS. M. G. Gleason.....10, 617

PAN-AMERICAN DEVELOPMENT, LITERATURE IN. E. P. Hamilton....3, 155
PLACE OF TOOL ENGINEERING IN AN INDUSTRIAL ENGINEERING CURRICULUM. C. E. Bullinger....9, 521
PLANNED INDIVIDUALISM. L. W. Houston....2, 70
PLANNING CIVIL ENGINEERING STRUCTURES. J. B. Wilbur....4, 248
PLATFORM FOR MATHEMATICS TEACHERS. W. W. Rankin....2, 127
PRE-COLLEGE ENTRANCE ORIENTATION. L. E. Grinter....3, 153
PREPARATORY TRAINING IN FRANCE FOR THE DEGREE OF DOCTOR OF ENGINEERING. O. I. Yadoff....10, 582
PROBLEM OF TRANSFER STUDENTS. H. H. Armsby....9, 488
PROGRAM FOR THE YEAR. Thorndike Saville....1, 9

RULE FOR IDENTIFYING DETERMINATE AND INDETERMINATE STRUCTURES. B. W. Boguslavsky....7, 382

SAVILLE, THORNDIKE—PRESIDENT, 1949–50....1, 1
SCIENTIFIC RESEARCH AND NATIONAL SECURITY. T. [illegible]....4, 243
SELECTION AND GUI[illegible]. O. W. Eshbach....2, 112
SIGNAL CORPS RESEARCH. H. A. Zahl.5, 309
STEELMAN REPORT. N. A. Christensen 2, 96
SURVEYING INSTRUCTION. M. O. Schmidt....5, 332

T-SQUARE PAGE....1, 57
T-SQUARE PAGE....3, 211
T-SQUARE PAGE....8, 451
TEACHER QUALIFICATIONS. W. E. Ranz 3, 207
TEACHING AIDS, ATTITUDES TOWARD. G. D. Lobingier....5, 319
TEACHING ELEMENTARY COLUMN THEORY. P. K. Roos....3, 198
TEACHING FIELD THEORY TO UNDERGRADUATE ELECTRICAL ENGINEERS. L. V. Bewley....9, 532
TECHNICAL INSTITUTE GRADUATES IN INDUSTRY. J. A. Lunn....3, 203
TECHNICAL INSTITUTE IN AMERICA, ITS BACKGROUND, ITS AIMS AND ITS ESSENTIAL CHARACETRISTICS. A. L. Williston....10, 632
THERMODYNAMICS FROM THE MACROSCOPIC AND MICROSCOPIC VIEWPOINTS. J. H. Keenan....8, 435
THERMODYNAMICS FROM THE MACROSCOPIC AND MICROSCOPIC VIEWPOINTS. J. Kaye....8, 438
TOILING IN THE NIGHT. B. J. Robertson....2, 63
TRAINING FOR CITIZENSHIP. C. E. MacQuigg....4, 229
TRANSFER STUDENTS, THE PROBLEM OF. H. H. Armsby....9, 488

UNION AND THE ENGINEER, THE. E. L. Chandler....9, 480
UNIVERSITY OF 1,000 YEARS. N. C. Rupp....5, 285
UNIVERSITY OF WASHINGTON—HOST FOR ANNUAL MEETING....8, 408

VACATION POSSIBILITIES OF THE NORTHWEST. R. G. Cowles....4, 217
VALUE JUDGMENTS. R. E. Doherty...3, 159
VISUALIZATION OF FUNDAMENTAL PRINCIPLES IN ELASTICITY USING RUBBER MODELS. A. J. Durelli, C. H. Tsao, and R. H. Jacobson....9, 525

WESTINGHOUSE, GEORGE, AWARD, JOSEPH MARIN....1, 7
WHAT DOES INDUSTRY WANT FROM THE JUNIOR COLLEGE? L. L. Medsker 10, 623
WHAT INDUSTRY REQUIRES. M. J. Bergen....7, 378
WHAT IS GOOD TEACHING? H. P. Hammond....8, 417
WHAT'S NEW IN INDUSTRIAL ENGINEERING. E. Laitala....7, 386
WHERE DO WE STAND ON POINT IV. G. V. Allen....2, 65
WRIGHT-PATTERSON GRADUATE CENTER. S. M. Marco and C. J. Peirce....3, 187

YARDSTICK OF QUALITY, THE. F. M. Dawson....4, 215